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(5760-20000/VRTS0629)
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEP 2 1, 2004 HAP File

Application No.: 10/791,472 Filed: March 2, 2004

Inventor(s):

Hans F. van Rietschote Mahesh P. Saptarshi Craig W. Hobbs

Title:

Central Administration and

Maintenance of

Workstations Using Virtual

Machines, Network Filesystems, and Replication Examiner:

Unknown

Group/Art Unit:

2186 5760-

Atty. Dkt. No:

20000/VRTS0629

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

Lawrence J. Merkel

Name of Registered Representative

/22/0^c

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Applica	ant requests consideration of the references listed on the attached Form PTO-
1449 and/or 🛛	the additional information identified below in paragraph 3.
\boxtimes	A copy of each required reference listed on the Form PTO-1449 is enclosed.
	The references listed on the Form PTO-1449 were previously cited in application serial no to which the captioned application is seeking priority under 35 U.S.C. §120; therefore, a copy of each reference is not enclosed.

- The present application is a U.S. national patent application filed after June 30, 2003, or an international application that entered the national stage under 35 USC § 371 after June 30, 2003. Therefore, copies of the cited U.S. patents and/or U.S. patent application publications are not enclosed.
- 1. This Information Disclosure Statement is submitted:
 - a. within 3 months of the filing date of a national application other than a continued prosecution application under § 1.53(d);

	c.	after the mailing date of a final Office Action or a Notice of Allowance and prior to payment of the issue fee, and thus: the certification of paragraph 2 below is provided and a fee of \$180.00 is enclosed.
2.	It is he	reby certified:
		that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in § 1.56(c) more than thirty (30) days prior to the filing of the information disclosure statement;
		that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of the Statement; or
		that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56 (c) more than three (3) months prior to the filing of the Statement.
3.	\boxtimes	Consideration of the following additional information (including any co-pending or abandoned U.S. applications, prior uses and/or sales, etc.) is requested:
		U.S. Application Serial No. 10/616,437 (5760-12200) U.S. Application Serial No. 10/821,559 (5760-01301) U.S. Application Serial No. 10/109,406 (5760-00300) U.S. Application Serial No. 10/108,882 (5760-00200) U.S. Application Serial No. 10/109,186 (5760-00400) pp. 1-3 entitled "Background of the Invention" from the specification of the captioned application.
	4.	For each non-English language reference listed on the attached Form PTO-1449:
		reference is made to an English language translation submitted herewith, and/or
		reference is made to a foreign patent office search report (in the English language) submitted herewith, and/or
		reference is made to an English language translation of a foreign patent office search report submitted herewith, and/or
		reference is made to the concise explanation contained in the specification of the present application at page(s), and/or

Application Serial No. 10/791,472 - Filed March 2, 2004

		reference is made to the concise explanation contained in the specification of the present application at page(s), and/or
		reference is made to the concise explanation set forth below:
5.		Applicant also offers the following comments for the Examiner's consideration:
6.		Also enclosed is a copy of a foreign search report citing these references.
7.		The listed documents were brought to the attention of the Applicant(s) after payment of the issue fee in the captioned case. The documents were cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. Applicant(s) request this Information Disclosure Statement and attached Form PTO-1449 be placed in the file of the captioned application.
8.		Applicant(s) requests that the Information Disclosure Statement and attached Form PTO-1449 and references, which are being filed before the grant of the patent and pursuant to 37 C.F.R. § 1.97(i), be placed in the file of the captioned application.
	If any	required fees are missing, the Commissioner is authorized to charge said fees to
Meyert	ons, H	ood, Kivlin, Kowert & Goetzel, P.C. Deposit Account No. 501505/5760-
20000/	LJM.	
		Respectfully submitted,

Lawrence J. Merkel

Reg. No. 41,191
Agent for Applicant(s)

MEYERTONS, HOOD, KIVLIN, KOWERT & GOETZEL, P.C. P. O. Box 398 Austin, Texas 78767 (512) 853-8800

Date: 9 22/04

Form PTO-1449 (modified)
List of Patents and Publications
For Applicant's Information

ATTY. DKT. NO. 5760-20000

SERIAL NO. 10/791,472

Disclosure Statement
(Use several sheets if necessary)

APPLICANT: van Rietschote, et al.

GROUP: 2186

FILING DATE: March 2, 2004

J	J.S. PATENT	DOCUMENTS
	DATE	NAME

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
		5,872,931	2/16/99	Chivaluri			
		6,029,166	2/22/00	Mutalik, et al.			
OPE	c.	6,341,329	1/22/02	LeCrone, et al.	,,		
<u> </u>	05/	6,075,938	6/13/00	Bugnion, et al.			
SEP 2 1 20	GEEIC #	6,757,778	6/29/01	van Rietschote			
····	35	6,421,739	7/16/02	Holida			
TRADE		6,694,346	2/17/04	Aman, et al.			
		6,718,538	4/6/04	Mathiske			
		6,757,778	6/9/01	van Rietschote			
		2003/0028861	2/6/03	Wallman, et al.			
		2002/0129078	9/12/02	Plaxton, et al.			
		2004/0010787	1/15/04	Traut, et al.			
		2002/0049869	4/25/02	Ohmura, et al.			
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	,	6,496,847	12/17/02	Bugnion, et al.			
		6,397,242	5/28/02	Devine, et al.			
		5,408,617	4/18/95	Yoshida			
		5,257,386	10/26/93	Saito			
		6,151,618	11/21/00	Wahbe, et al.			
		2003/0033431	2/13/03	Shinomiya			
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	 	5,944,782	8/31/99	Noble, et al.			
		5,852,724	12/22/98	Glenn, II, et al.		_	
		6,363,462	3/26/02	Bergsten			
		6,324,627	11/27/01	Kricheff, et al.			
		6,298,428	10/2/01	Munroe, et al.			
		6,298,390	10/2/01	Matena, et al.		-	
		5,621,912	4/15/97	Borruso, et al.			-

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

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(U		l sheets if necessary)	FILING DA	TE: March 2, 2004			
		τ	J.S. PATENT	DOCUMENTS			
EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
		4,969,092	11/6/90	Shorter			
		4,912,628	3/27/90	Briggs			
		6,230,246	5/8/01	Lee, et al.			
		6,493,811	12/10/02	Blades, et al.			
		6,438,642	8/20/02	Shaath, Kamel			
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	A2		1 Symposium on	urce Management Using Virt Operating Systems Principle 1999, pages 154-169.			
A3 Edouard Bugnion, et al., "Disco: Running Commodity Operating Systems on Scalable Mult Computer Systems Laboratoy, Stanford, CA, 33 pages.				e Multiproces	sors,"		
	A4	"White Paper, GSX Server," VMware, Inc., December 2000, pages 1-9.					
	A5	"Vmware GSX Serve, The Server Consolidation Solution," VMware, Inc., 2001, 2 pages.					
	A6	"Manage Multiple Worlds., From Any Desktop," VMware, Inc., 2000, 2 pages.					
	A7	"VMware ESX Server, The Server Consolidaton Solution for High-Performance Environments," VMware, Inc., 2001, 2 pages.					
	A8	Melinda Varian, "VM and t Information Technology, Pr		ity: Past, Present, and Future ugust 1997, pp. 1-67.	e," Operating	g Systems, Con	nputing and
	A9	VERITAS, "Comparison: N May 2001, 4 pages.	Aicrosoft Logical	Disk Manager and VERITA	S Volume N	Manager for W	indows,"
	A10	VERITAS, "How VERITA Environments," May 2001,		ger Complements Hardware	RAID in Mi	crosoft Server	.
	A11	VERITAS, "VERITAS Vol	ume Manager for	Windows, Best Practices,"	May 2001, p	p. 1-7.	
A12 Barrie Sosinky, Ph.D., "The Business Value of Virtual Volume Management, In Mic Windows 2000 Netowrks," VERITAS, A white paper for administrators and planner. A13 "BladeFram TM System Overview," Egenera, Inc., 2001 2 pages.							
	A13	"BladeFram™ System Overview," Egenera, Inc., 2001 2 pages.					
	A14	White Paper, "The Egenera™ Processing Area Network (PAN) Architecture," Egenera, Inc., 2002, 20 pages.					
	A15	White Paper, "Emerging Se	rver Architecture	s," Egenera, Inc., 2001, 12 p	ages.		
	A16	White Paper, "Improving D	ata Center Perfor	mance," Egenera, Inc., 2001	, 19 pages.		
	A17	White Paper, "Guidelines for	or Effective E-Bu	siness Infrastructure Manage	ement," Ege	nera, Inc., 200	1, 11 pages.

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GROUP: 2186

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A18	White Paper, "The Pros and Cons of Server Clustering in the ASP Environment," Egenera, Inc., 2001, 10 pages
A19	Position Paper, "Taking Control of The Data Center," Egenera, Inc., 2001, 4 pages.
A20	Position Paper, "The Linux Operating System: How Open Source Software Makes Better Hardware," Egenera, Inc., 2001, 2 pages.
A21	"Solution Overview," TrueSAN Networks, Inc., 2002, 7 pages.
A22	"Simics: A Full System Simulation Platform," Reprinted with permission from Computer, February 2002, © The Institute of Electrical and Electronics Engineering, Inc., pp. 50-58.
A23	"Introduction to Simics Full-System Simulator without Equal," Virtutech, July 8, 2002, 29 pages.
A24	"The Technology of Virtual Machines," A Connectix White Paper, Connectix Corp., 2001, 13 pages.
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A26	"About LindowsOS," Lindows.com, http://www.lindows.com/lindows_products_lindowsos.php, 2002, 2 page
A27	"Savannah: This is a Savannah Admin Documentation," Savannah, Free Software Foundation, Inc.© 2000-2002, 31 pages.
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A29	"What is Virtual Environmnet(VE)?," SWsoft, http://www.sw-soft/en/products/virtuozzo/we/, © 1994-2002 SWsoft, printed from web on 12/13/2002, 2 pages.
A30	"Products," Netraverse, Inc, 2002, http://www.netraverse.com/products/index.php, printed from web on 12/13/2002, 1 page.
A31	"NeTraverse Win4Lin 4.0 - Workstation Edition," Netraverse, Inc, 2002, http://www.netraverse.com/products/win4lin40/, printed from web on 12/13/2002, 1 page.
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A35

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Dave Gardner, et al., "WINE FAQ,", © David Gardner 1995-1998, printed from www.winehq.org, 13 pages.
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Sapuntzakis, et al., "Optimizing the Migration of Virtual Computers," Proceedings of the Fifth Symposium on Operating Systems Design and Implementation, December 2002, 14 pages.
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VMware, Inc., "VMware Control Center," 2003, 3 pages.
InfoWorld, Robert McMillan, "VMware Launches VMware Control Center," 2003, 2 pages.
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Dejan S. Milogicic, et al., "Process Migration," August 10, 1999, 49 pages.
Xian-He Sun, et al., "A Coordinated Approach for Process Migration in Heterogeneous Environments," 1999, 12 pages.
Kasidit Chanchio, et al., "Data Collection and Restoration for Heterogeneous Process Migration," 1997, 6 pages.

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(Use seve	(Use several sheets if necessary) FILING DATE: March 2, 2004			
	OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
A61	Kasidit Chanchio, et al., "A Protocol Design of Communication State Transfer for Distributed Computing," Publication date unknown, 4 pages.			
A62	SourceForge™, "Project: openMosix: Document Manager: Display Document," 14 pages.			
A63	OpenMosix, "The openMosix HOWTO: Live free() or die ()," May 7, 2003, 3 pages.			
A64	OpenMosix, "openMosix Documentation Wiki - don't," May 7, 2003, 2 pages.			
A65	Dave Stewart, "Problems", November 18, 1998, 3 pages, printed from http://www.cl.cam.ac.uk/users/dbs20/proposal-version2			
A66	VERITAS, "VERITAS Storage Replicator, Real-time Replication for Business Critical Windows NT and Windows 2000 Environments," 7 pages.			
A67	VERITAS, "VERITAS Volume Replicator™ White Paper, A Guide to Understanding VERITAS Volume Replicator," White Paper, 2002, 15 pages.			

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